

Figure 1

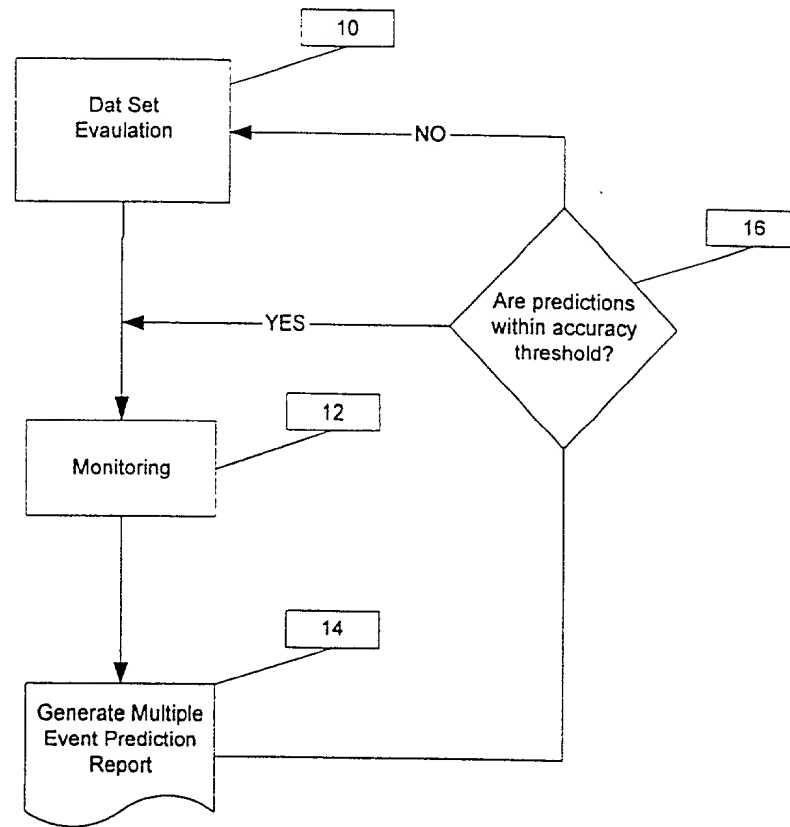


Figure 2
Data Set Evaluation

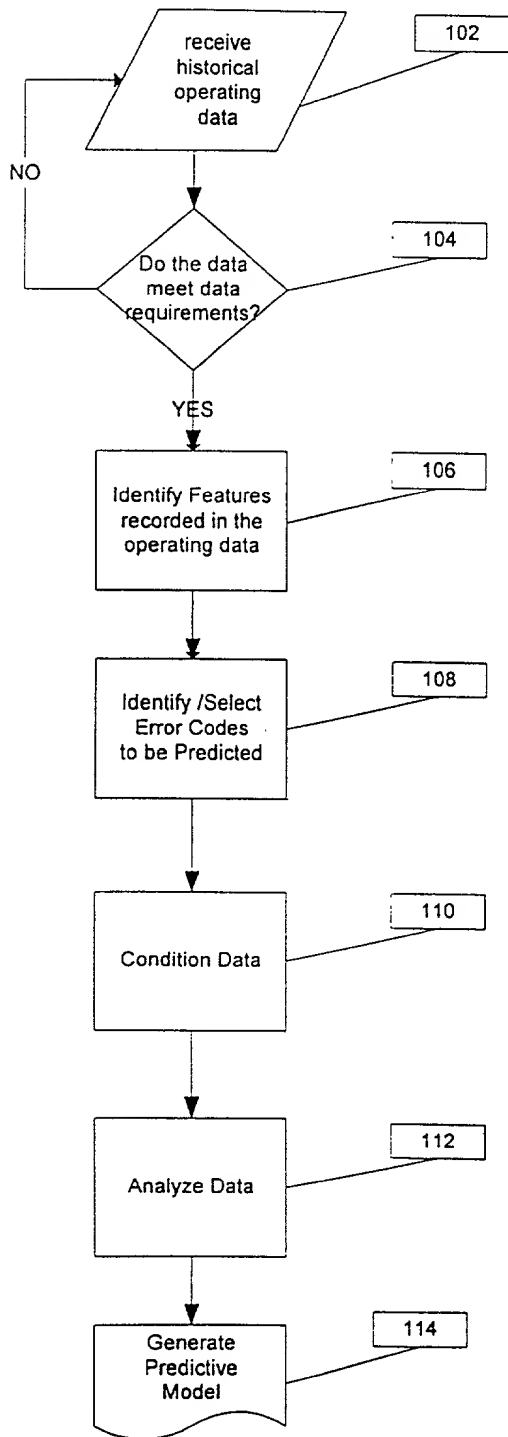


Figure 3
Monitoring

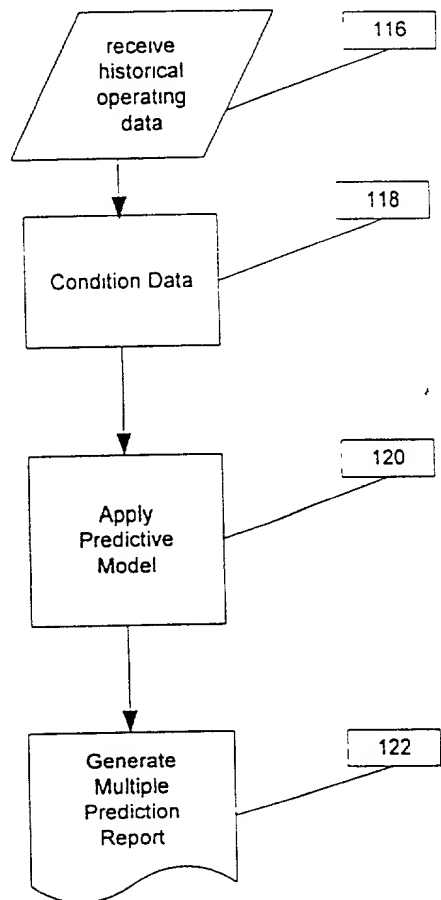
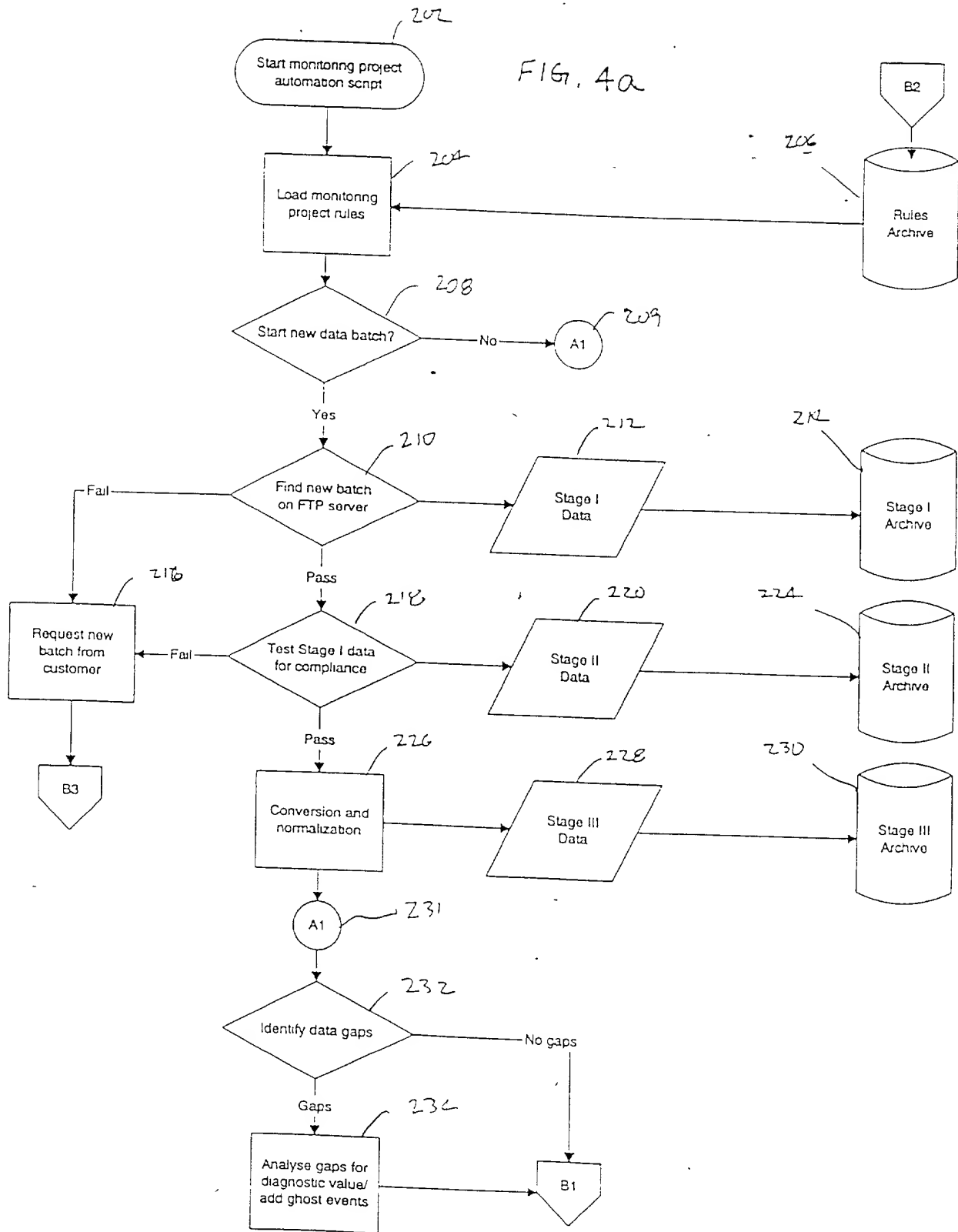


FIG. 4a



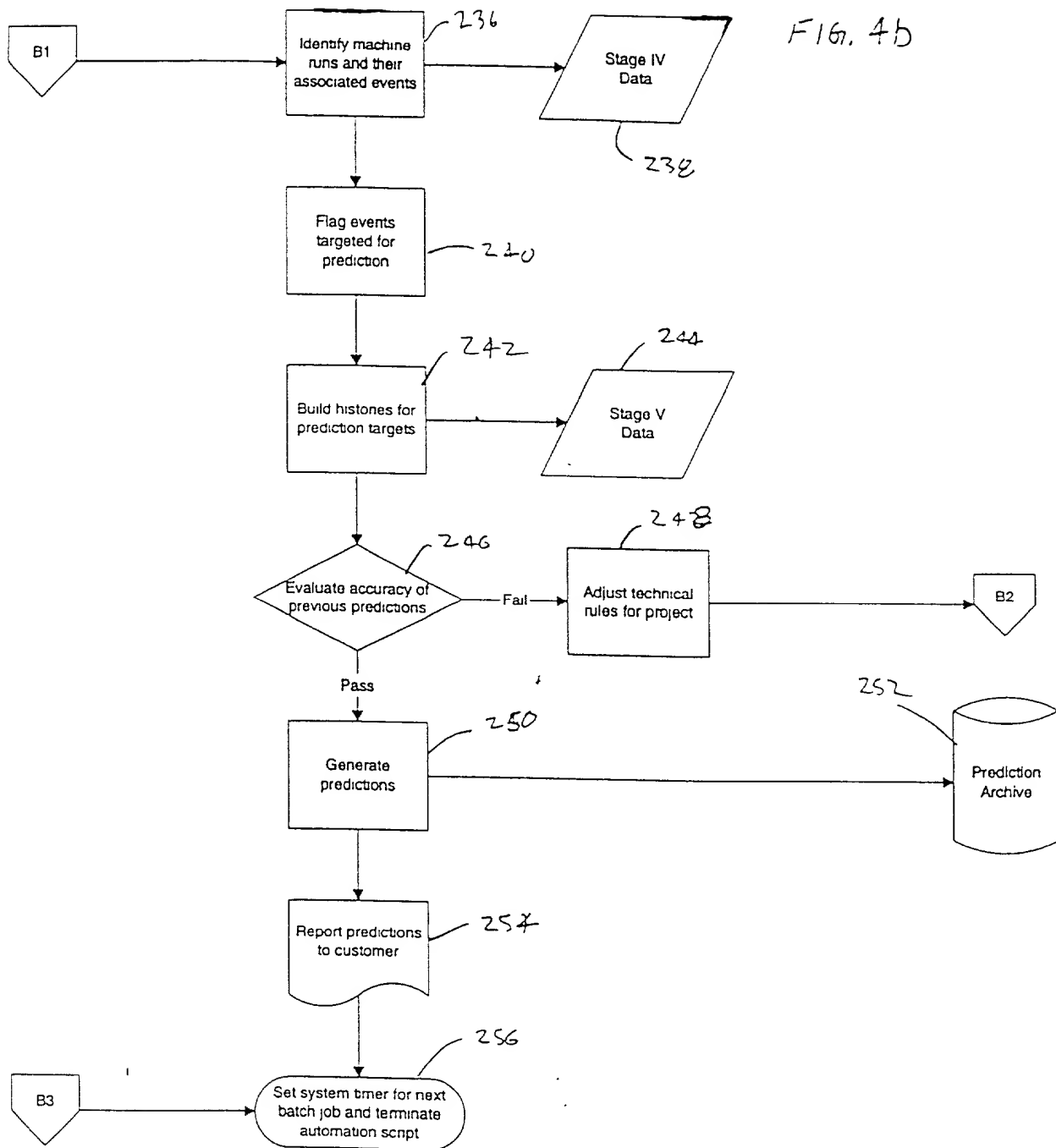


FIG. 5

302a 304 306 308 310 312 314 316 318 320 322 324 326 328

302b

302c

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1|75953|7|9998|GEN|14.0|01-06-1998|64|0|2757|0.0|2757|AA1X641|
1|75953|7|141|GEN|14.0|01-06-1998|64|1|3|0.48|3|AA1X641|
1|75953|7|412|IDL|6.0|01-06-1998|64|0|0|12.08|0|AA1X641|
2|76062|1|106|PUG|13.1|01-06-1998|24|1|2296|0.3|1148|B1X242|
2|76062|1|400|IDL|13.1|01-06-1998|24|1|0|0.0|0|B1X242|
2|76062|1|735|PP1|13.1|01-06-1998|24|1|654|0.48|327|B1X242|
2|76062|1|706|PP1|13.1|01-06-1998|24|1|128|0.8|64|B1X242|
2|76062|1|703|PP1|13.1|01-06-1998|24|2|18|0.23|9|B1X242|
2|76062|1|211|GEN|13.1|01-06-1998|24|1|0|0.27|0|B1X242|
2|76062|1|210|GEN|13.1|01-06-1998|24|3|5090|0.42|2545|B1X242|
2|76062|1|134|GEN|13.1|01-06-1998|24|1|322|0.18|161|B1X242|
2|76062|1|103|PU5|13.1|01-06-1998|24|1|12|0.43|6|B1X242|
2|76062|1|9999|GEN|13.1|01-06-1998|24|0|9|0.0|4|B1X242|
2|76062|1|9998|GEN|13.1|01-06-1998|24|0|1214|0.0|607|B1X242|
2|76062|1|412|IDL|6.0|01-06-1998|24|0|0|12.1|0|B1X242|
2|76062|1|0|GEN|13.1|01-06-1998|24|2|187481|4.1|93740|B1X242|
2|76062|1|15|BCU|13.1|01-06-1998|24|1|2|0.02|1|B1X242|
2|76041|1|200|GEN|14.0|01-06-1998|32|1|0|0.78|0|B2X321|
2|76041|1|400|IDL|14.0|01-06-1998|32|1|0|0.03|0|B2X321|
3|76062|1|9999|GEN|14.0|01-06-1998|32|0|210|0.0|105|C2X321|
3|76062|1|211|GEN|14.0|01-06-1998|32|1|0|0.0|0|C2X321|
3|76062|1|210|GEN|14.0|01-06-1998|32|1|4330|0.1|2165|C2X321|
3|76062|1|9998|GEN|14.0|01-06-1998|32|0|3854|0.0|1927|C2X321|
3|76062|1|410|GEN|14.0|01-06-1998|32|1|56|0.38|28|C2X321|

```

FIG. 6

MACHID DATE	ERROR
1 06-01-1998	1.00
2 06-01-1998	1.00
3 06-01-1998	1.00
4 06-01-1998	1.00
5 06-01-1998	1.00
6 06-01-1998	1.00
1 06-01-1998	1.00
1 06-01-1998	1.00
2 06-01-1998	1.00
3 06-01-1998	1.00
3 06-01-1998	1.00
4 06-01-1998	1.00
4 06-01-1998	1.00
5 06-01-1998	1.00
5 06-01-1998	1.00
6 06-01-1998	1.00
6 06-01-1998	1.00
1 06-02-1998	1.00
1 06-02-1998	1.00
2 06-02-1998	1.00
3 06-02-1998	1.00
4 06-02-1998	1.00
4 06-02-1998	1.00
5 06-02-1998	1.00
5 06-02-1998	1.00
6 06-02-1998	1.00
1 06-02-1998	1.00
1 06-02-1998	1.00

FIG. 7



DATE	DATENB	MACHID	V1_1	V2_1	V3_1	V4_1	V5_1	V6_1	V7_1	V8_1
06-01-1998	35947	1	3.00	.00	1.00	.00	.00	1.00	.00	.00
06-02-1998	35948	1	5.00	.00	1.00	.00	.00	3.00	1.00	.00
06-03-1998	35949	1	4.00	.00	.00	.00	.00	2.00	.00	.00
06-04-1998	35950	1	5.00	.00	.00	.00	.00	2.00	.00	.00
06-05-1998	35951	1	6.00	.00	.00	.00	.00	2.00	.00	.00
06-06-1998	35952	1	.00	.00	.00	.00	.00	.00	.00	.00
06-07-1998	35953	1	.00	.00	.00	.00	.00	.00	.00	.00
06-08-1998	35954	1	2.00	.00	.00	1.00	.00	2.00	.00	.00
06-09-1998	35955	1	5.00	1.00	.00	.00	.00	2.00	.00	.00
06-10-1998	35956	1	5.00	4.00	.00	.00	.00	2.00	.00	.00
06-11-1998	35957	1	4.00	2.00	.00	1.00	.00	3.00	.00	.00
06-12-1998	35958	1	5.00	.00	.00	.00	.00	5.00	1.00	.00
06-13-1998	35959	1	.00	.00	.00	.00	.00	.00	.00	.00
06-14-1998	35960	1	.00	.00	.00	.00	.00	.00	.00	.00
06-15-1998	35961	1	3.00	1.00	.00	.00	.00	2.00	.00	.00
06-16-1998	35962	1	5.00	.00	.00	.00	.00	3.00	.00	.00
06-17-1998	35963	1	6.00	.00	.00	.00	.00	4.00	.00	.00

FIG. 8

PHASE I
FIGURE 1

Event Code					
Wash Up		Ceasing		No Evidence	
Start Up		Ribbons			
Press #					
1	38	23	110	63	Inc 33
2	36	Inc 25	Inc 57	47	Inc 15
3	52	14	69	25	Inc 0
4	31	Inc 6	60	32	28
5	28	12	76	56	Inc 4
6	21	3	Inc 11	17	Inc 0

Legend

	Correct Prediction
	Incorrect Prediction